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U. S. Department of Agriculture

SAKATA'S RELIABLE SEEDS

1952

CONTRACT PRICE LIST



Petunia Dwarf Colossal
Salmon (See Page 2)

HERBST BROTHERS

92 Warren St., New York 7, N. Y.

AGENTS FOR

T. SAKATA & Co., Yokohama, Japan

TERMS OF SALE

- Offers :** All offers are without engagement of any kind.
- Orders :** All orders are booked subject to crop out-turn and pro-rata delivery.
- Price :** All prices are quoted in U. S. Dollars and Cents and are subject to change without notice.
- Shipment :** All seeds are delivered f. o. b. Yokohama, as soon as possible after harvest and thence travel at customer's risk and expense. We cannot be held responsible for any delay, loss, damage, etc., aroused from any cause which is beyond our control.
- Packing :** Bags and containers are charged at cost price, and are not returnable.
- Insurance :** All shipments are insured at customer's expense, unless otherwise instructed.
- Shipping Instructions :**
Customers are requested to forward clear shipping and forwarding instructions together with order, or designate the routing which will be followed as far as possible ; otherwise best judgement will be used in selecting carriers and routes.
- Complaints :** Complaints and claims will be considered only if made within 10 days after receipt of goods. However, a restitution for any article can never exceed the amount charged for it on the invoice. No complaint whatever gives any ground for adjournment of any payment.
- Warranty :** T. Sakata & Co., devote to the production, harvesting, and shipping of their seed with the greatest possible attention, and furnish only seed which merits their own full confidence. However, they give no warranty, express or implied, as to the description, quality or productiveness or any other matter of the seed they delivery, nor will they be held responsible for the crop in any way.

Please favor us with your order as early as possible through

HERBST BROTHERS

92 Warren Street,
New York 7, New York

Sole Agents for United States and Canada

PETUNIA SAKATA'S ALL DOUBLES

We are glad to introduce our new extra large-flowering All-Double Petunias both in mixed and in three straight colors. These strains are not only enormous in size of flower, but gorgeously doubled and fringed. Moreover, the seeds show very high germination and the plants which are dwarf and shapy grow vigorously. We are happy to supply these seeds at rather popular prices.

NEWLY DEVELOPED STRAINS

Dwarf Colossal Mixed Colors

This covers extra giant flowering All Double Petunia with full double fringed form. We actually measured 5 inches across with such colors as rose, light and bright salmon, crimson, rose and white variegated. Height, not more than 12 inches with bushy and shapy growth and with marked vigor. This group is the biggest flowering strain we had in our trial.

Dwarf Colossal Pink Shade

35% clear pink, rest rose color. Flowers very large, measuring close to 5 inches across. Full double. Height not more than 11 inches. Can be replaced to our Loveliness.

Dwarf Colossal Striped

Size of flower $4\frac{1}{2}$ inches, full double and with good fringiness. Height about 10 inches. In color it looks like our Gaiety with much larger flowers, but slightly taller in growth. Also vigorous grower.

Dwarf Colossal Salmon

Size $4\frac{1}{2}$ inches. Full double well fringed flowers. Height uniformly 11 inches. Color corresponds to Ridgway's "Begonia Rose" which is beautiful. Some are lighter colored. Also a vigorous grower.

PREVIOUS STRAINS

Victorious Cream Yellow (New 1952)

Color like Single Dainty Lady which is known as the most yellow in Petunias. We were able to add this new color to our All-Double group. Flowers are large $3\frac{1}{2}$ inches, well doubled and fringed. Growing habit is dwarf and compact not exceeding 12 inches in its prime.

Victorious Amaranth Red

Enormous flower size of the dwarf type, often measuring 4 inches across with rich velvety amaranth purple color. Highly recommended.

Victorious Strains, continued

Victorious Attraction

All plants are remarkably uniform in habit. Color is rich bright rose with sharp contrasting variation of purest white. Extra fine.

Victorious Gaiety

Extra dwarf and compact form, so even that every plant looks like a duplicate of the other, with large well fringed, full double flowers. The color is beautifully striped and mottled with bright rose and white. This is a very popular strain among the florist.

Victorious Blue Brocade Improved

This new strain is just as dwarf as other dwarfs. Many were looking for real dwarf Blue All-Double. We are lucky in offering such ideal Blue Double Petunia for the trade.

Victorious Loveliness

This is very dwarf and compact, with soft rose-pink flowers of good doubleness. An ideal strain for pot and for bed. Shows about 30% darker rose flowers, but also of excellent substance.

Victorious Prima Donna

Bright salmon orange, full double flowers are of excellent substance, dwarf and compact growth suitable for pot.

Victorious Pure White Improved

Everybody was looking for real dwarf Double Pure White and we are fortunate in offering such much-sought-for dwarf giant Pure White in full double flower. Large full double well fringed flowers are ideal for pot culture and for bedding.

Victorious Rosy Carmine Improved

Just a shade brighter than the old type, but much improved in the size of flower and growth which is even dwarfer. Many of its flowers measure 4 inches across.

Victorious Silver Blue

The color corresponds to Ridgway's "Amethyst Violet" to "true purple" but with velvet-like glistening overlaid with shiny blue. Individual flower which is well fringed, measures over 3½ inches across.

Victorious Illumination

Brighter colored than Rosy Carmine with equally dwarf and compact growth.

Victorious Strains, (Continued)

Victorious Mixed Colors

Not much irregularity in growth, reasonably even in height, yet covering full range of colors such as red, rose, scarlet, pink, salmon, violet blue, purple, white variegation, etc. Nothing can beat this in color assortment and in its even dwarf growth.

TRIUMPHANT GIANT FLOWERED MIXED COLORS

This strain while somewhat irregular in its growth has larger flowers than the dwarf type. It has full color assortment one can think of in All Doubles.

PRICE SCHEDULE
All Double Petunias

	BULK QUANTITIES					ORIGINATOR'S PACKET		
	1 oz	1/4 oz	1/8 oz	1/16 oz	1/32 oz	Price per packet containing		
						1000 seeds	500 seeds	200 seeds
<u>Dwarf Colossal</u>								
Mixed Colors	150.00	38.00	19.50	10.25	5.75	\$.75	.40	.15
Pink Shade	250.00	65.00	33.50	17.50	9.25	1.20	.65	.25
Striped	250.00	65.00	33.50	17.50	9.25	1.20	.65	.25
Salmon	250.00	65.00	33.50	17.50	9.25	1.20	.65	.25
<u>Victorious</u>								
Cream Yellow (New)	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Amaranth Red	250.00	65.00	33.50	17.50	9.25	1.20	.65	.25
Attraction	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Gaiety	400.00	103.00	53.25	27.45	14.15	2.05	1.10	.40
Blue Brocade Improved	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Loveliness	175.00	44.50	23.25	10.75	6.25	.90	.50	.20
Prima Donna	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Pure White Improved	275.00	72.00	37.50	19.25	10.25	1.30	.70	.25
Rosy Carmine Improved	275.00	72.00	41.50	19.25	10.25	1.30	.70	.25
Silver Blue	250.00	65.00	33.50	17.50	9.25	1.20	.65	.25
Illumination	300.00	80.00	41.50	21.25	10.75	1.55	.80	.30
Mixed Colors	250.00	65.00	33.50	17.50	9.25	1.20	.65	.25
<u>Triumphant Giant Fl. Mixed</u>								
	125.00	32.00	16.50	8.75	4.75	.95	.50	.20

PRICES F. O. B. YOKOHAMA – DELIVERIES BY AIR MAIL AT NOMINAL COSTS

Items of Special Merit

SAKATA'S F₁ HYBRID PETUNIAS

Uniformity of growth, habit and color of flower combined with extremely vigorous growth are the main characteristics of F₁ Hybrids in Petunias.

Its popularity has greatly increased recently. We have made hundreds of cross pollinations last year and after careful trial during 1951, have selected a few noteworthy strains which are herein offered.

Petunia Large-Flowered Dwarf Single Fringed, F₁ Hybrid Strains

Deep Rose

Bright deep rose salmon shaded with bright salmon vein. Flowers beautifully waved and fringed. About 3 inches across in dwarf compact habit, not much exceeding 10 inches. Very vigorous

Per oz.	\$ 50.00	1/4 oz.	\$ 15.00	1/8 oz.	\$ 8.50
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Carmine Rose

Brilliant carmine rose mostly with light colored throat. Flower measures 3 inches across beautifully waved and fringed. Very vigorous grower in its dwarf and compact habit not exceeding 10 inches in height.

Per oz.	\$ 50.00	1/4 oz.	\$ 15.00	1/8 oz.	\$ 8.50
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Petunia Hybrida Nana Compacta, F₁ Hybrid Strains

These F₁ Hybrids are common dwarf single Petunias, but with extra uniformity of growing habit as well as color of flower. On appearance of "Silver Medal" the merit of F₁ Hybrid has become greatly recognized. They are, as rule, far much vigorous than ordinary varieties and thrives nicely under adverse conditions. Our trial shows such F₁ Hybrids remain much longer in bloom than others.

Pink Beauty

Beautiful pink in the way of "First Lady," richer in color and darker toward center in vein. White throated. Quite large flowers 2 $\frac{1}{2}$ inches across. Dwarf and compact. Vigorous grower. Height 14 inches.

Per oz.	\$ 35.00	1/4 oz.	\$ 10.50	1/8 oz.	\$ 5.80
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Brilliant Crimson

Brilliant crimson red with carmine shade. Probably the brightest of all red Petunias.

Petunia Hybrida Nana Compacta, F₁ Hybrid Strains, (*Continued*)

Height 10 inches. Straight and compact grower. Quite a large flower measuring $2\frac{3}{4}$ inches across. Vigorous.

Per oz. \$ 35.00 1/4 oz. \$ 10.50 1/8 oz. \$ 5.80

Pink Queen

Extra large-flowering pink, 3 inches across, clearest pink with rounded petals. Uniform in color. 13 inches in height, straight and compact grower. Highly recommended on account of color and size of flower. Creamy throated.

Per oz. \$ 35.00 1/4 oz. \$ 10.50 1/8 oz. \$ 5.80

NEW FIXED VARIETIES

Petunia Hybrida Nana Compacta

Fire Brand

Color like Fire Chief, but less smoky. The advantage of the new strain is its vigor. This stands against adverse weather. 12 to 13 inches.

Per lb. \$ 35.00 Per oz. \$ 3.50

Coral Red

Bright coral red darker toward center. Ball shaped growth. Extra dwarf being 8 to 9 inches in height.

Per lb. \$ 25.00 Per oz. \$ 2.50

Petunia, Dwarf Large-fl.

Scarlet and White

Beautifully variegated rich orange red and white. Extra dwarf and somewhat spreading. Flowers are larger than common type and slightly fringed. A new fascinating color. 6 to 7 inches.

Per lb. \$ 50.00 Per oz. \$ 5.00

F₁ HYBRID ANTIRRHINUMS

For the past three years we have been carefully studying Forcing Snaps in the hope of finding some good F₁ Hybrids which we found to have marked hybrid vigor. In most cases such F₁ or first hybrids grow much taller with stronger stems than fixed varieties which makes them suitable for greenhouse cut flowers. We believe we have gone through over 250 different crossings during the period.

As a result of such extensive breeding, we have found at least 20 suitable F₁ Hybrids out

F₁ Hybrid Antirrhinums, (*Continued*)

of which we have selected the 9 best. We now are happy to offer such Hybrid strains at rather reasonable prices considering the work we have gone through. For perfect hybrid strains we have to purify the parents very thoroughly otherwise the first hybrid does not show uniform color and habit.

Kindly note that we have repeatedly tested them in our greenhouses before we are offering them to you.

We can ship newly harvested seed in the beginning of July and by shipping them via air the seeds will reach most parts of the U. S. A. a week later.

Pure White No. 50

Mid-season to late, but slightly earlier than "Snow Hybrid" with smooth looking flowers. True pure snow white with more flowers and long closely set spikes. We think this is one of the best whites. Has marked hybrid vigor.

Rose No. 51

Rich bright rose, very much similar to "Better Times" but just a bit lighter. Mid-season variety with heavy long stalks on which the beautiful flowers are profusely borne. Very easy to grow. One of the best bright roses.

Rose Pink No. 59

Much lighter colored than No. 51 or almost similar to "Christmas Cheer." Very floriferous, but later flowering. Mid-season variety.

Bronze No. 56

Brilliant orange bronze corresponding to Ridgway's "Scarlet." Very long strong spike with plenty of flowers. Intermediate variety with marked hybrid vigor.

Bronze No. 53

Lighter color than No. 56 corresponding to Ridgway's "Orange-chrome." Very long strong spikes. A mid-season variety. Very bright in color. Has good hybrid vigor. Resembles "Barbara" in color.

Lavender No. 54

Ridgway's "Tourmaine Pink" or showy orchid lavender which are densely borne on very long heavy stalk. Earlier flowering than most Lavenders. Has decided hybrid vigor.

Amaranth Red No. 55

Ridgway's "Velvety Aster Purple." Late type with extra long flower stalk which is very heavy. Flowers in profusion around the long stem. Resembles "Shisler's Red" in color, but larger and taller.

F₁ Hybrid Antirrhinums, (*Continued*)

Red No. 58

Bright scarlet crimson. One of the best reds with noticeable hybrid vigor. Long spikes with abundance of flowers.

Yellow No. 60

Early variety. Shade lighter than "Goldrush" but with equally long flower spikes with plenty of flowers which are closely set. Requires less temperature than other similar strains.

Prices for all the above

Per lb \$ 450.00

Per oz. \$ 45.00

F₁ HYBRID PRIMULA MALACOIDES

Our F₁ Hybrid makes surprisingly vigorous growth. Under same culture they often make double size as compared with common varieties. The marvelous hybrid vigor greatly checks common pestilence which so often attacks them while in growth. We are happy to introduce such novelties to our friends. Gets extra price on account of size of plants and abundant flowers.

Malacoides, F₁ Hybrid, Rose-Pink

Extremely vigorous. May be grown to double size of ordinary varieties. Color lovely rose pink, size large, 1 inch with dwarf, compact and of even height. Early flowering with abundant flowers. Extra heavy stems. Easy of cultivation.

Per oz. \$ 100.00

1/4 oz. \$ 31.00

1/8 oz. \$ 16.00

Malacoides, F₁ Hybrid, Crimson

Extremely vigorous and easy to grow. Abundant flowers which are beautiful, large (1 inch) crimson or wine red color. Medium height. Extra heavy stems.

Per oz. \$ 100.00

1/4 oz. \$ 31.00

1/8 oz. \$ 16.00

Malacoides, F₁ Hybrid, Salmon Rose

Extremely vigorous with abundant flowers which are quite large. Height mostly medium to semi-tall. Color similar to New Giant. Extra heavy stems.

Per oz. \$ 100.00

1/4 oz. \$ 31.00

1/8 oz. \$ 16.00



Climbing Scarlett O'Hara Morning Glory
(New)

MORNING GLORY

Scarlett O'Hara Climbing (New)

Our 1952 Novelty

Morning Glory Scarlett O'Hara is a good thing, but its only defect is the lack of climbing habit. It will climb afterwards, but not in the beginning. New Morning Glory Darling climbs, but unfortunately it has not the brightness of color which Scarlett O'Hara has. We were fortunate in finding true climbing type of Scarlett O'Hara during 1950. So as to confirm the climbing quality we have carefully grown them last year and by checking every individual plant we found them to have real climbing habit. We also planted them, for comparison, side by side with ordinary Scarlett O'Hara and found the climbing habit is entirely distinct. Our new strain has better climbing habit than Darling and it climbs up even in its young stage. Outside of climbing habit, this new strain is identical to the parents. That is in size of flower, in its brilliant color as well as the durability of bloom. This new strain climbs up from the beginning just like ordinary Morning Glory.

Per lb. \$ 5.00

Per oz. \$ 0.50

Morning Glory Japanese Imperial Super Giant Strains

Most flower lovers who visited Japan were astonished to see gigantic Morning Glory mostly grown in pots. 8 inches across is not uncommon, in varied colors such as brilliant red, rose, pink, white, purple, light blue and innumerable intermediate colors. Commonly, they are grown outdoors in 6 inch or larger pots mostly pinched and shaped into bushy form. When they bloom, they bring them indoors to admire and the gigantic blooms will last well into 2 to 3 o'clock in the afternoon. After that they are to be carried outdoors. Our breed will prove to be the most gigantic flowers in the most extensive color assortment. They can be grown outdoors as in ordinary Morning Glories although the largest flowers can be seen in pot culture.

Prices

Mixed Colors	Per lb.	\$ 10.00	Per oz.	\$ 1.00
Separate Colors	Per lb.	\$ 15.00	Per oz.	\$ 1.50

BALSAM, True Camellia-flowering T. S. Superfine Strain

Ours are true Camellia-flowering doubles which have once disappeared from the market.
(See Page 22 for prices)

BEGONIA, Evansiana

Probably the hardiest of all Begonias. They can go through undestroyed underground in sub-zero temperature. Grows 2 feet making tubers. Lovely clear pink flowers in clusters. Likes shady place.

Per oz. \$ 25.00 1/4 oz. \$ 7.50

CELOSIA, Cristata Nana Dwarf Fire Brand (new)

Uniformly dwarf with large scarlet crimson comb. Somewhat late, but marvelously uniform in its dwarf growing habit.

Per lb. \$ 20.00 Per oz. \$ 2.00

CELOSIA, Cristata Nana Dwarf Rose Carpet (new)

Another beautiful uniformly dwarf Cockscomb with rose-pink comb. Extra fine strain.

Per lb. \$ 20.00 Per oz. \$ 2.00

CELOSIA, Cristata Semi-tall Multiflora Crimson Scarlet

Instead of making single comb this throws out many medium sized combs, making pyramidal shape. Very showy as it grows up to fairly large plant (2½ ft). Very attractive.

Per lb. \$ 10.00 Per oz. \$ 1.00

COLEUS, Hybridus Extra Large-Leaved Mixed Colors

Extra selected large-leaved fancy colored strain.

Per lb. \$ 40.00 Per oz. \$ 4.00

COSMOS, Orange Flare, Tetra, Giant-flowered

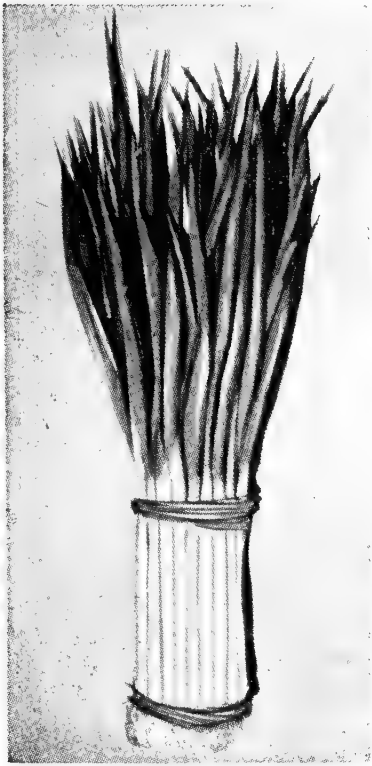
Much larger flowered than ordinary strain. Also quite early flowering

Per lb. \$ 20.00 Per oz. \$ 2.00

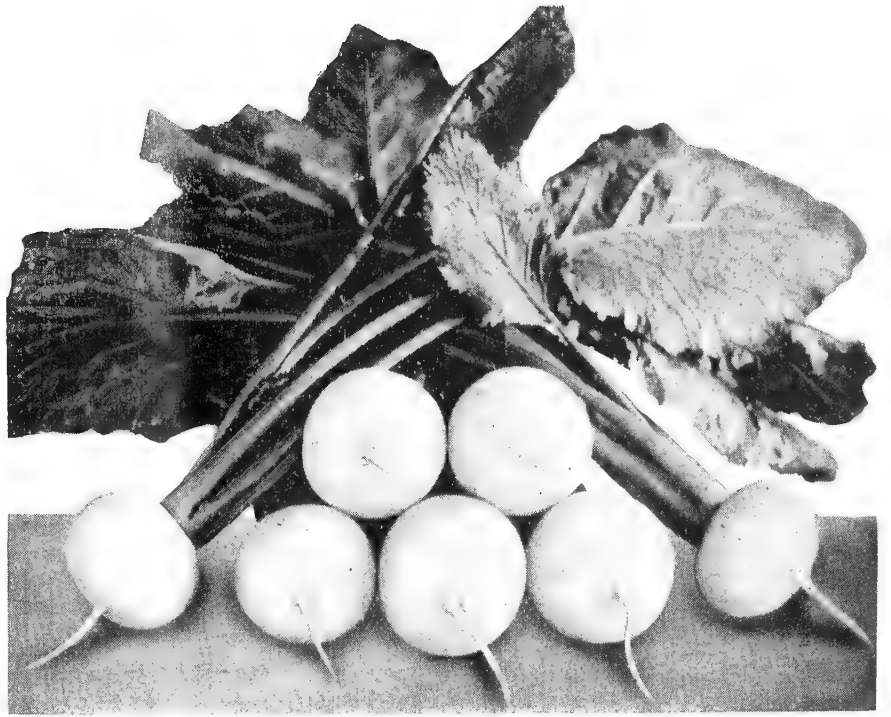
PHLOX, Tom Thumb Mixed Colors

Extra dwarf globe shaped new Phlox of great merit. This new strain has been found by us some 9 years ago and ever since we bred them to add color and fertility. We underwent years of breeding in our breeding farm in the hope of sending it to the All-America Selections. However, the war stopped our doing so. They cover such colors as red, rose, pink, white, violet, yellow and many intermediate shades. On reading of Globe Phlox winning merit in All America Selections we suspect our strain might be same or similar to it. Trial samples are sent on request for comparison. They are very dwarf and make ball-shaped growth, not bushy like in nana compacta type.

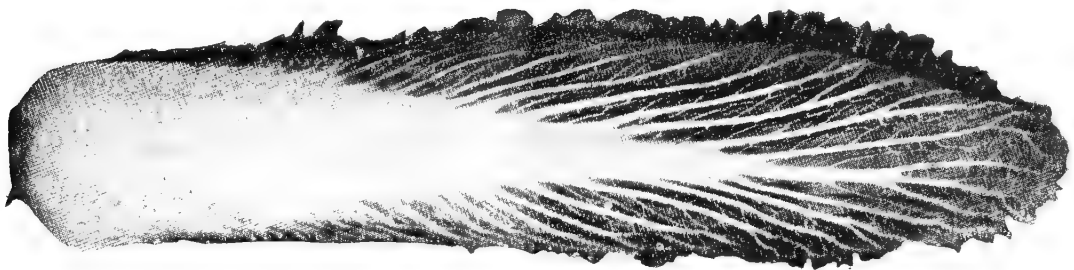
Per lb. \$ 40.00 Per oz. \$ 4.00



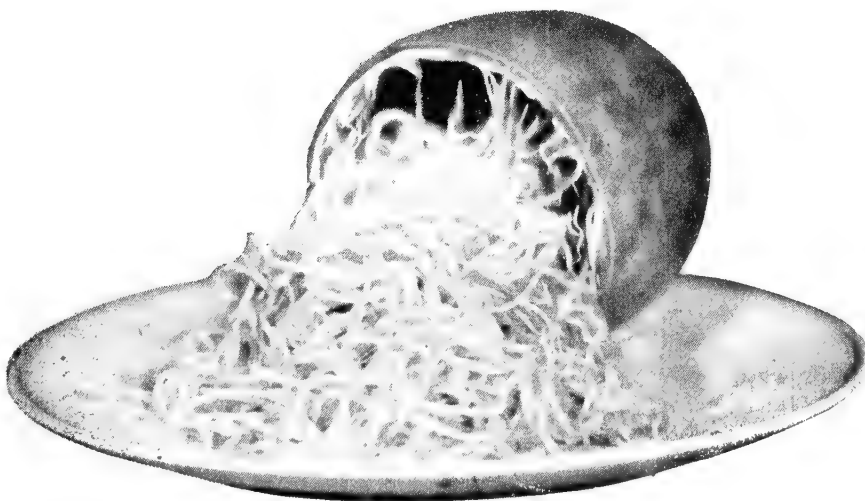
Sakata's Bunching Onion



Tokyo Market Turnip



Celery Cabbage Improved Peking or Chihili



Vegetable Spaghetti



Celery Cabbage, Wong Bok

VEGETABLE SEEDS

1952 Crop Contract Prices

Prices for net weights, f. o. b., Yokohama, packing extra at cost

We are also able to supply extensive varieties of Japanese and Chinese Vegetables not appearing in this list. Enquiries invited.

All prices subject to change

For large quantities please write for special quotations

CELERY CABBAGE (*Pe-tsai*)

Per lb

[illegible]

Makes torpedo shaped head, long and pointed at the top. The head is crisp and is of fine flavor. While the yield is not very heavy, it is more easily cultivated and matures very early. Very popular in the United States.

[illegible]

This is a straight leaf of open heading type, tall growing and can be compared to Cos Lettuce in appearance. Very easy of cultivation and a heavy cropper. This is the variety which is often called Pe-tsai.

[illegible]

Early and easy of culture, but produces head much more tender than other types. Not very large, but measures 8 inches in diameter and 14 inches in height. Light green in color and practically no fibrous leaves grow. Its earliness and easy cultivation made this one of the most popular Pe-tsai now under cultivation. Although late summer or early autumn sowing is best, this variety may also be well adopted for spring sowing.

[illegible]

An improved type of Wong Bok which forms a large solid head of very fine quality, often weigh 15 pounds. Stands long before bolting to seed. One of the best market varieties.

[illegible]

A variety of Pe-tsai which is easy of culture, forming a large long head with light green leaves and pure white heart.

[illegible]

If the spring is long, it can be grown for summer use. Seed sown in late March will make a head of about 6-7 lbs. in June. Also can be sown in summer as ordinary Pe-tsai cabbage, then they make large solid head.

[illegible]

This is one of the largest Pe-tsai, easily measuring 9 inches in diameter and 14 inches in height. The head is very solid and of excellent texture. The most prolific variety and a very popular market type.

[illegible]

The most popular variety of Pe-tsai forming a large firm head. A good market variety.

[illegible]

Loose-headed variety with white centers. Heavy yielder with white tender center leaves which supplies a good salad.

[illegible]

A straight grower like Chihili, but not quite solid headed. Grows much larger with dark green leaves which are very delicious. A heavy yielder.

CHOPSUY GREEN (*Shungiku*)

[illegible]

This is one of the most important oriental greens belonging to the *Chrysanthemum* family. Highly valued because of its aromatic flavor. It is harvested when plant is 4-5 inches high and is cooked like Spinach. Very easy of culture and does not require any special attention.

CUCUMBER

	Per lb
Green Giant	\$ 2.50
A very hardy disease resistant variety. The fruit is dark green, slender, 8-10 inches long, 1½ inch in diameter, with a few brown spines. Very prolific.	
Japanese Green Climbing	2.50
An early and prolific variety. The fruits are borne on almost every axils, pale green and comparatively smooth skinned.	
Suyo	5.00
Dark green, long hardy and resistant to diseases. Flesh crisp. Skin somewhat irregular.	
Extra Long (Yamato)	3.00
Green, comparatively smooth and very long, often reaches 2 feet.	

EGG PLANT

F₁ Hybrid No. 1	10.00
Extra early, velvety black, oblong, small fruited. Vigorous and prolific.	
F₁ Hybrid No. 2	10.00
Longer than No. 1 Hybrid, equally early, vigorous and prolific.	
Early Purple	3.00
Very prolific variety, fruits are medium sized among Japanese varieties, rather elongated, measuring 4 inches in length. Color dark shiny blackish purple, very thin skinned.	
Long Purple	3.00
A prolific long fruited variety. Fruits are 6 to 8 inches long and not exceeding 1 to 1½ inches in diameter. Deep purple, thin skinned, having very few seeds.	
Round Purple	2.50
Fruits round and deep purple colored not unlike Black Beauty or New York Purple, but smaller in size weighing about a quarter pound when fully ripe. A heavy bearer.	

GOURD (*Edible*)

Round Butter Vine Gourd	1.00
Very large fruited and greenish skinned. Keeps very long and can be preserved for winter use. Flesh is whitish and has no special taste, but is valuable for stew, soup, and for other cooking purpose. Especially good when cooked while fruits are young.	
Long Butter Vine Gourd	1.00
Long shaped fruit of the above type.	

JAPANESE MELON OR CANTALOUPE

Early White Pear (white fleshed)	3.00
Large egg shaped Japanese melon or a cantaloupe, measuring about 6 inches in length and 4 inches in diameter. Skin yellow and smooth, flesh white. Juicy and very hardy and prolific.	
Early Golden Pear, large	3.00
Early Golden Pear, small	3.00
Early Speckled, medium sized thick fleshed, sweet	3.00
Golden Round, round like ordinary Cantaloupe, but smaller	3.00

JAPANESE PARSLEY

Japanese Parsley, Mitsuba	0.50
This is a perennial plant which throws up long tender leaf stalks with three heart-shaped leaves at the ends. Has special flavor and is excellent for salad and soup. Will produce more tender, sweeter and long white stalks when earthed up or bleached like celery.	

MUSTARD

Japanese White Celery Mustard	0.20
Its use as green vegetable in northern districts of Japan is quite immense. It grows up to 1½ feet in height. Lower part of leaf stalk is pure white and is very thick forming a bulbous shape. Very fleshy and taste good when cooked. We expect that this plant will gain further popularity.	

MUSTARD, <i>Continued</i>														Per lb
Mustard Spinach or "Tendergreen"	...	...	...	...	...	...	...	...	...	...	...	...	...	\$ 0.20
As all its name implies, a very mild Mustard with a creamy spinach flavor.														
Chinese Pac-Choy	...	...	...	...	...	...	...	...	...	...	...	...	...	0.50
Looks like miniature Swiss Chard with thick glossy leaves with mustard flavor. Tender and delicious when cooked. Useful for Chop-suy dinner.														
Savoy-leaved	...	...	...	...	...	...	...	...	...	...	...	...	...	0.60
Savoy-leaved glossy mustard with flattened growth. A favorite vegetable among Chinese.														
Seliphon	...	...	...	...	...	...	...	...	...	...	...	...	...	0.60
With distinct mustard flavor. Dark green abundant leaves which is quite distinct to other mustards. Delicious to eat, either raw or cooked.														

ONION

Sakata's Evergreen Hardy Long White Bunching	...	...	...	...	...	...	...	...	...	...	...	...	...	1.00
Now a standard vegetable and one of the most important introductions in recent years. It is hardy almost everywhere in the States. Can be planted in spring and fall. We are told that the trials in the New England States by a public experiment station showed Evergreen Bunching Onion tubes are completely resistant to thrips.														

RADISH

All seasons	...	...	...	...	...	...	...	...	...	...	...	...	...	0.40
The most useful variety for all season culture, especially adopted for summer culture. Roots are white, and flesh brittle and firm measuring about 1 foot long and 2 inches in diameter. Pure white.														
Mino Early Long	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35
An early maturing long variety, measuring about 2 ft. long and 3 inches in diameter. Pure white.														
Miyashige Long														
Very fine variety which grows about 15 inches long and 3 inches in diameter, color white, but greenish at the neck. Flesh is tender, brittle and a sweet.														
Stump-rooted	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35
Pointed-rooted		...	...	...	...	...	...	...	...	...	...	...	...	0.35
White Neck, white all way through					...	...	...	...	...	...	...	...	...	0.35
Nerima Long														
Important market variety. Very long, narrow at the neck measuring well over 2 ft. in length and 3 inches in diameter. Flesh is snow white, brittle and a good keeper.														
Stump-rooted	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35
Pointed-rooted		...	...	...	...	...	...	...	...	...	...	...	...	0.35
Nerima Giant Improved	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35
A fine variety suitable for late sowing. In mild climate it can be kept until spring in the field if well earthed up. Shape something like that of White Icicle, but decidedly larger, measuring about one and a half foot long, weighing nearly 8 pounds when well grown.														
Sakurajima Mammoth	...	...	...	...	...	...	...	...	...	...	...	...	...	0.50
The most gigantic Radish now in cultivation. A late maturer, but grows to an immense size, often weigh over 50 lbs. Very good for cooking and also for feeding cattle.														
Shogoin Round Giant	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35
Turnip shaped, large and globular and very prolific. Roots weighing 4-5 pounds. Excellent for cooking.														
Summer Radish	...	...	...	...	...	...	...	...	...	...	...	...	...	0.35
Best variety for summer culture, about 2 ft. long and 3 inches in diameter. Conical shaped. When sown in early spring, they can be harvested in late summer or early autumn. Pure white.														

SQUASH

Aizu Early	...	...	...	...	...	...	...	...	...	...	...	...	...	1.50
Extra early, small-fruited, green and white when young. Very sweet.														

SQUASH *Continued*

Higata Early	Per lb
Very early. In warm climate fruits are harvested already in May. Green skinned.	\$ 1.50
White Kikuza , white-skinned, good quality.	1.50

SWISS CHARD

Japanese Swiss Chard	0.25
An early strain resembling the English variety with abundant oval shaped leaves. 4 inches wide and one foot long. Used just like ordinary Swiss Chard.	

TOMATOES

We grow tomatoes exclusively for seed purposes and can take care of such varieties which must be grown only for the seed. It may be to your advantage to let us grow such for you. Inquiries for prices and other matters are welcomed. Our estimate on prices are follows:

Ponderosa	4.00
Jubilee	4.00
Oxheart	5.00

Also other pink and yellow fruited varieties such as Dwarf Champion, Globe, Golden Queen, Gulf State Market, June Pink, Sunray and other small fruiting varieties. Stock seed to be furnished by the buyers in the quantity of 6 ounces of high germinating seed to 100 lbs. of products.

SMALL-FRUITED TOMATOES

Red Cherry, Red Pear, Yellow Pear, Yellow Peach, Yellow Plum,	Each 2.75
Golden Husk (Strawberry)	2.25

SAKATA'S FOLIAGE TURNIP

Sakata's Foliage Turnip (Improved Shogoin)	0.20
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Introduced by us years ago and now found to be one of the established vegetables. We can still supply the highest quality.

Tennoji	0.25
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Roots are just as large as Shogoin, but more flattened with smooth white skin.

Yorii, Early Flat Spring Turnip	0.25
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A very fine Turnip good for both autumn and spring sowing. Roots are rather flattened, about 4 inches in diameter and 2 inches in depth, pure white and with smooth silky skin. Tops are also very good. Becoming popular every year.

Crimson Globe	0.35
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Roots round measuring about four inches in diameter and of beautiful crimson color. Leaves also are of dark crimson color. Has special fine flavor.

Tokyo Market	0.40
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A small but excellent Turnip largely grown for the market around Tokyo. The roots are pure white, measure about 1½ inches in diameter and 1 inch in depth, but when fully grown they reach 3 inches or over in diameter. The flesh is solid, but tender and very sweet when cooked. One of the most popular varieties in the States. We can supply excellent quality.

VEGETABLE SPAGHETTI

Vegetable Spaghetti	1.50
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Introduced by us and found to be very popular on account of its interesting quality. Boil matured fruits for about 20 minutes and you will find whole inside comes off just like spaghetti which can be eaten like a salad.

In 1951 All Japan Stock Seed Concour of Chinese Cabbages, We have won Top Prize with our disease-resistant Che-foo strain which found to be outstanding for its extreme resistancy beside uniformity. Also our Wong Bok type was awarded 2nd Prize. Total entries were 50 from all over the country.






F1 HYBRID VEGETABLE SEEDS AND SEEDLESS WATERMELON

In this country the first F1 Hybrid Egg Plant has been introduced some 25 years ago ever since numerous agricultural experiment stations took such F1 Hybrids up and as a result many other F1 Hybrids on such vegetables as Tomatoes, Cucumbers, Watermelons, etc. have been produced. The improvement of these native vegetables along this line was very striking. Up to now, numbers of excellent F1 Hybrids of each one of the vegetables mentioned above have been introduced.

It is to be noted that special artistical training for pollination work is needed, especially on such vegetables as Tomatoes and Egg Plants which bear flowers of small size and are so delicate that pistils are very easily harmed when flowers are emasculated and pollinated. The recent development and success of Hybrid Vegetable seed production on commercial scale can largely be attributed to the existence of well trained "pollinators." These pollinators are mostly young girls and it requires generally at least two seasons to become a first class pollinator.

Being overpopulated in a small area we can produce such F1 Hybrid seeds at amazing low prices and moreover, if furnished by you, we can assure you of the privacy of your stock seed as well as the accuracy of hand pollination. 35 years of reputation is in back of our business. Please entrust us with your 1952 requirements.

Contract growing prices for 1952 Crop F1 Hybrid Vegetable Seeds to be grown out of your parent stock seeds which must reach us by February 1st, 1952 :

<u>Prices when parent stock seeds are furnished by the buyers</u>					<u>Price Per Lb., FOB, Yokohama</u>	
TOMATO,	F1 Hybrid, hand pollinated					\$ 30.00
PEPPER,	"	"	"	"		30.00
WATERMELON,	"	"	"	"		15.00
EGG PLANT,	"	"	"	"		25.00
SQUASH,	"	"	"	"		15.00

F1 HYBRID VEGETABLE SEEDS OF OUR OWN

While we are strong on Hybrid Tomato seeds, we can also take care of Hybrid Egg Plants. Best matings are found and reported by some State Colleges and Experiment Stations in U. S. A.

We can take care of your contract order at attractive prices provided such orders reach us by the end of January 1952.

We also have many interesting F1 Hybrid Vegetable seeds of our native varieties, especially several hybrids in pink-fruited Tomatoes which with us are not only highly disease resistant, but remarkably productive. Trial samples are sent on request.

We also invite inquiries on F1 Hybrid Vegetable seeds. Also apply prices to Herbst Brothers for quick reply.

THE SEEDLESS WATERMELON

The fruit of real good Seedless Watermelon has only a trace of seed just like those of young cucumbers. Anybody can eat whole inside without feeling any seed. We also found out that when one gets used to eating Seedless Watermelon he does not feel like eating ordinary Seedy Watermelon.

Inferior strain of Seedless Watermelon has too distinct seed coat, often colored. Such cannot be called seedless though the seed has no inside.

We have done lots of breeding so as to produce only high quality strains, which have the most undeveloped seed coat, combined with high grade eating quality.

Another advantage of Seedless Watermelon (Triploid Watermelon) is its high disease resistant, vigorous growing habit commonly noticed in F₁ Hybrid strains. Seedless Watermelon is actually an F₁ Hybrid. A hybrid between Tetraploid and Diploid. On going over our trial ground we found out the most resistant vine is the Tetraploid, then Triploid (Seedless Vine), ordinary diploid (Common Watermelon) vine runs out first. It is so conspicuous that anybody who inspected the trial field was astonished. It is a known fact the seedless plants withstand against common fungi which attacks them such as Fusarium, Anthracnose, etc. It is also proved that the crop of Seedless Watermelon is generally 30% to 50% heavier than the parents or ordinary seedy one. It is also noted that the rind of Seedless Strains are tougher than ordinary types of same thickness, thus increasing the shipping quality.

The sugar content or sweetness is higher than ordinary Watermelon. After careful researches it was proved that the sugar content is the highest in Tetraploid, then Triploid (Seedless) and then diploid or ordinary Watermelon. This is for the same variety.

The drawbacks of the Seedless, is, first, its requirement of high temperature to germinate the seed, 80 degrees Fahrenheit is its optimum temperature, second, slow growth in the start, though once starts growing it grows rapidly and vigorously, third, its requirement of pollen-plant in the quantity of about 10% to 20%. Seedless strain does not bear fruits by itself. However, if such Seedless Watermelon vines are planted near ordinary Watermelon field, then no special pollen plants are necessary. The bees will carry pollen from other fields. The first fruits generally shows slightly noticeable seed coats than the following fruits.

We are offering only the best two strains which we selected out of our extensive trials which extended over several dozen varieties :

DESCRIPTION

Seedless Watermelon No. 4 (Straight Green, Not Striped)

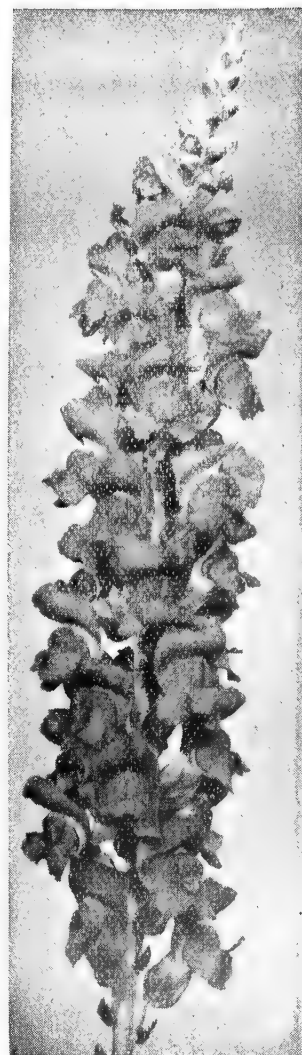
10-15 lbs., round, flesh deep rose red. Very sweet, rind thin 3/4 inch. Vigorous grower.

Seedless Watermelon No. 13 (Green Striped)

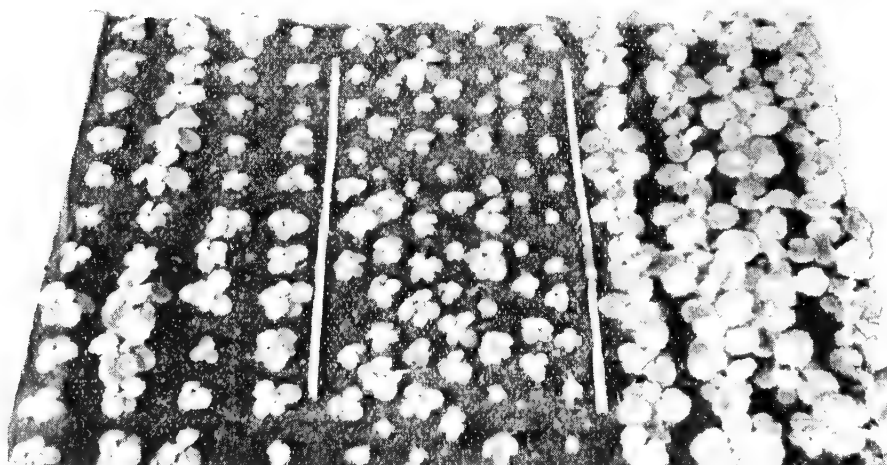
12-15 lbs., round flesh deep rose, very sweet, rind thin 3/4 inch. Vigorous grower.



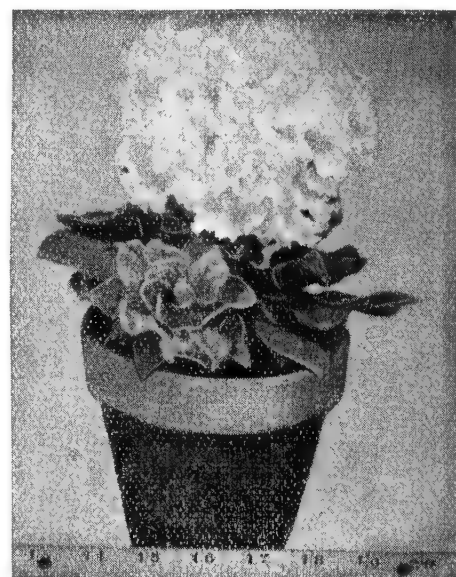
Petunia Victorious
Blue Brocade Improved



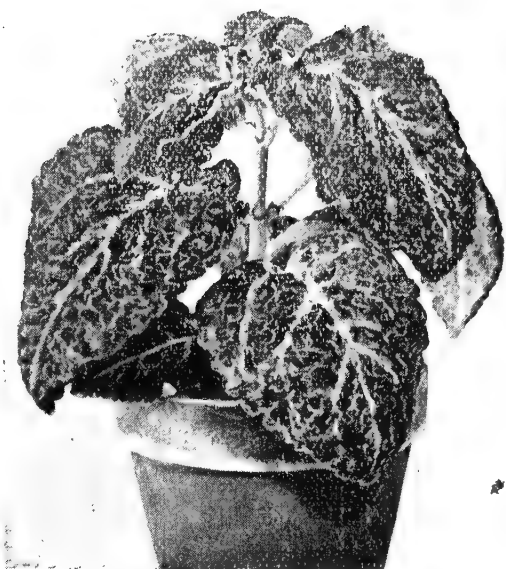
Sakata's F₁ Hybrid,
Snapdragon No. 55



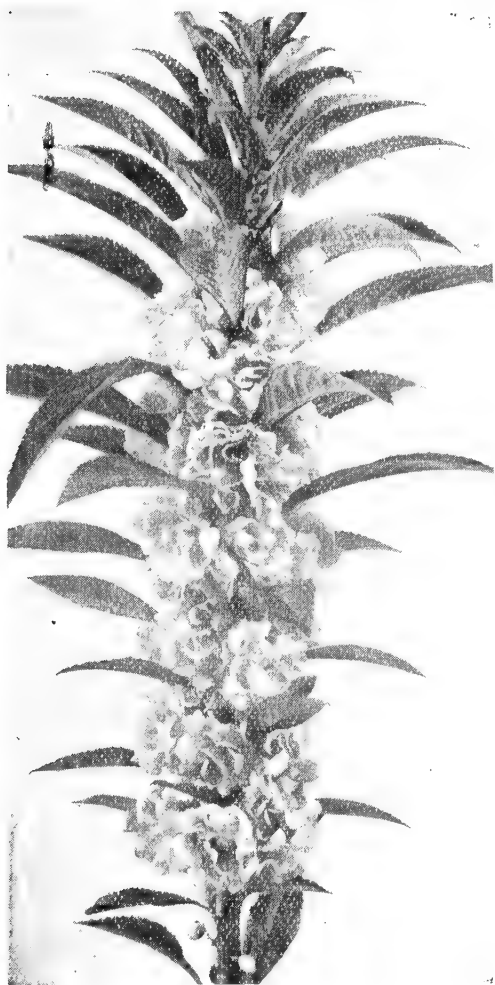
F₁ Hybrid Primulas
shows extreme vigor
even in seedling stage (right)



Petunia Victorious
Pure White Improved



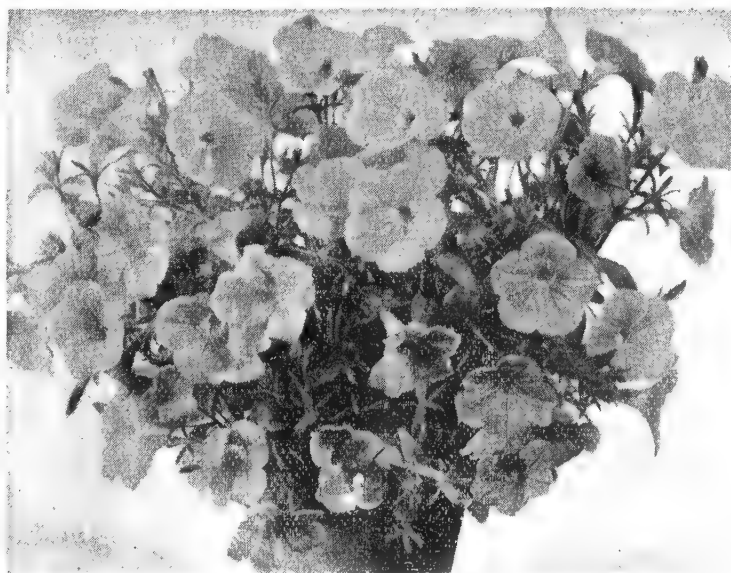
Coleus Large Leaved and Rainbow



*Balsam True Camellia-fl.
T. S. Superfine Strain*



*Note uniform growth of our
New Celosia Cristata Nana Dwarf
Fire Brand*



*Petunia Hybrida Nana
Compacya, F₁ Hybrid*



A partial view of our Breeding Farm

FLOWER SEEDS

(Novelties & Specialties pages to)

NOTICE

For any items in this catalog, 4 ozs. or over the pound rate is allowed

													Per oz	Per lb
ACROCLINIUM														
double mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.10	1.20
AGROSTEMMA														
coronaria (Rose Champion) red	...	...	...	...	...	...	...	...	...	...	...	...	.10	60
AMARANTHUS														
choice sorts mixed, mixture of fancy leaved amaranthus	...	...	...	...	...	...	...	...	...	...	...	...	.05	.50
caudatus, (Love-Lies-Bleeding)	...	...	...	...	...	...	...	...	...	...	...	...	.05	.20
Molten Fire, leaves dark bronze, center poinsettia red	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
salicifolius, (Willow-Leaved Amaranthus)	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
Sunrise, bright bronzy foliage	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
Tricolor Splendens	...	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
AMPELOPSIS														
Veitchi (Boston Ivy) clean seed	...	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
ANCHUSA														
capensis, Blue Bird, vivid indigo blue	...	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
Sky Blue	...	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
italica Dropmore	...	...	...	...	...	...	...	...	...	...	...	...	.12	1.15

F1 HYBRID ANTIRRHINUMS

(See Pages 6 to 8)

Pure White No. 50	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00
Rose No. 51	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00

ANTIRRHINUMS (Continued)

													Per oz	Per lb
Rose Pink No. 59	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00
Bronze No. 56	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00
Bronze No. 53	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00
Lavender No. 54	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00
Amaranth Red No. 55	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00
Red No. 58	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00
Yellow No. 60	...	...	...	...	...	...	...	...	...	...	...	...	45.00	500.00

ANTIRRHINUM FORCING STRAINS

In view of the importance of the quality we are supplying extra selected superfine strains which have actually no rogues.

Red Shades

Ball Supreme Red
Shisler's Red
Velvet Beauty

Yellow Shades

Junglewood Yellow
Ethel
Yellow Wonder Improved

White Shades

Peace
White Wonder Improved
Margaret
Lucky Strike Improved

Bronze Shades

Lady Dorothy
Afterglow
Glorious

Rose & Pink Shades

Pink Peggy Schumann
Delworth Supreme
Charm
St. Louise
Rockwood's Pink Supreme

Lavender Shades

Schumann's Lavender
Windmiller's Lilac

All the above

Per oz. \$ 2.50 Per lb. \$ 25.00

													Per oz	Per lb
Tetra Giant-flowered mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	1.50	17.00
" " " rose	...	...	...	...	...	...	...	...	...	...	...	...	2.50	25.00
" " " white	...	...	...	...	...	...	...	...	...	...	...	...	2.50	25.00
Magic Carpet, extra selected strain	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00

Extra selected strain as to habit and color which is brighter than ordinary strains. This Dwarf Snaps apt to be too light in color so we employed careful attention to brighten them up.

AQUILEGIA

long spurred mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
flabellata, clear blue, dwarf	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00

ASTER

tall double-fl. mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.75
tall single & double mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.50
Queen of the Market mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
Giants of California mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Giant California Sunshine mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
Giant Comet mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.40	4.00
branching mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
Ostrich Feather mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
Peony-fl. finest mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
Crego Giant mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
" " lavender	...	...	...	...	...	...	...	...	...	...	...	...	.35	3.75
" " peach blossom	...	...	...	...	...	...	...	...	...	...	...	...	.35	3.75

ASTER (Continued)

														Per oz	Per lb
Crego Giant rose-pink	...	...	...	...	...	...	...	...	...	...	...	...	...	.35	3.75
" " shell pink	...	...	...	...	...	...	...	...	...	...	...	...	...	.35	3.75
" " white	...	...	...	...	...	...	...	...	...	...	...	...	...	.35	3.75
Early Giant Rose Marie	...	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
Ball's Deep Rose	...	...	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Pompon finest mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Imbricated Pompon scarlet	...	...	...	...	...	...	...	...	...	...	...	...	...	.25	2.75
Princess finest mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" Barbara, orchid	...	...	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
" Golden Sheaf	...	...	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
" Linda, clear rose	...	...	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
" Marsha, cinnabar scarlet60	6.00

BALLOON VINE (Cardiospermum halicacabum)10	1.00
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BALSAM

single & double mixed colors10	.60
double-flowered finest mixed colors10	.85
true double Camellia-fl., finest mixed colors, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.25
" " " rose pink, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
" " " purple violet, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
" " " scarlet, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
" " " scarlet spotted white, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
" " " pure white extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
bush growing dwarf, mixed colors, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.35	3.50
" " " rose, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " " scarlet or carmine, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.40	4.00
" " " white reflected rose, extra selected	...	...	...	...	...	...	...	...	...	...	...	...	...	.40	4.00

BEGONIA (See Page 10)

Evansiana, 2 ft., one of the hardiest Begonias,	Per ¼ oz. \$	7.50	25.00	—
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BELAMCANDA (Gemmingia)

chinensis, orange yellow, a hardy perennial of lily family	1.00	10.00
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BELLIS (English Daisy)

monstrosa double mixed colors70	7.00
" " crimson rose, extra large	1.50	15.00
" " rose75	7.50
" " white75	7.50

BOCCONIA

cordata15	1.50
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BRIZA

maxima, (Quaking Grass)10	.60
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BROWALLIA

elata, mixed colors, blue and white mixed65	6.50
" blue70	7.00
" white70	7.00

BROWALLIA (Continued)

speciosa major	Per $\frac{1}{4}$ oz	\$ 2.25	7.00	—
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CACALIA (Tassel Flower)

[illegible]

CALCEOLARIA

Triumph finest mixed colors, finest mixture of extensive colors

Per $\frac{1}{8}$ oz \$ 5.50	Per $\frac{1}{4}$ oz \$ 10.50	35.00	—
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CALLIOPSIS (Coreopsis)

[illegible]

CELOSIA

[illegible]

CENTAUREA

												Per oz	Per lb
cyanus double-fl. mixed colors	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
" extra early winter-flowering double mixed colors	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
americana (Basket Flower) mixed colors	...	...	...	...	...	...	...	...	...	...	...	.15	1.50
" soft-lilac and white	each	.15	1.75

CERASTIUM

tomentosum (Snow in Summer)40	4.00
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CHRYSANTHEMUM

japonicum, single-flowering mixed colors, selected	2.00	20.00
" double Anemone-flowering mixed colors	...	...	...	...	...	...	...	...	...	...	...	7.50	75.00
" large Anemone-fl. mixed colors	(Per 100 seed	\$ 0.50)	...	...	...	...	...	...	...	...	...	—	—
" incurved flower, mixed colors	(Per 100 seeds	\$ 0.50)	...	...	...	...	...	...	...	...	...	—	—
" medium sized pompon mixed colors	(Per 100 seeds	\$ 0.50)	...	...	...	...	...	...	...	...	...	—	—
" spider	(Per 100 seeds	\$ 0.50)	...	...	...	...	...	...	...	...	...	—	—
Korean Hybrid, mixed colors, very good assorted colors with large flowers	...	...	...	...	...	...	...	...	...	...	...	2.00	20.00

CINERARIA

Hybrida Golden Center, finest mixed colors, high selected strain													
	Per 1/8 oz	\$ 3.50	Per 1/4 oz	\$ 6.50	20.00	—							

CLEMATIS

paniculata white	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
floribunda, large-fl. mixed colors, 2-3 inches across	1.00	10.00

CLEOME (Spider Plant)

speciosa Pink Queen25	2.75
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COLEUS (Flame Netted)

hybridus extra large-leaved mixed colors	1.50	15.00
" " " " " Extra selected strain (See Page 10)	4.00	40.00
" Rainbow Mixture	1.50	15.00
" Superfine Rainbow Mixture, selected seeds	3.00	30.00

CORAL FLOWER

...15	1.50
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COSMOS (Cosmea bippinatus)

Early-fl. finest mixed colors10	.90
Sensation, mixed colors15	1.50
" crimson	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" pink	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" white	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" Radiance	...	...	...	...	...	...	...	...	...	...	...	.20	2.25
Late Mammoth-flowering, mixed colors	...	...	...	...	...	...	...	...	...	...	...	.10	1.25
Orange Flare	...	...	...	...	...	...	...	...	...	...	...	.15	1.50
" " semi-double15	1.50
" Tetra, large-flowered (See Page 10)	2.00	20.00

CUPHEA

Firefly60	6.00
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CYNOGLOSSUM

												Per oz	Per lb
amabile, blue (Chinese Forget-me-not)10	.65
" firmament10	.75
linifolium, white	...	...	...	...	...	...	...	...	...	...	...	.10	.75

DAHLIA

variabilis, single finest mixed colors	...	...	...	...	...	...	...	...	...	...	...	.10	1.15
double-flowering mixed colors, high percentage of double flowers	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00
Coltness Hybrids, mixed colors, dwarf compact strain with various fancy colors.	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
Mignon dwarf mixed colors	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
Unwin's Hybrid dwarf mixed colors	...	...	...	...	...	...	...	...	...	...	...	.30	3.00

DIANTHUS

nipponicum, coccinea, red	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
" alba, white	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
deltoides, bright pink, perennial	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
Sweetwievelsfield, single mixed colors	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
" double mixed colors	...	...	...	...	...	...	...	...	...	...	...	.40	4.00

DIGITALIS (Foxglove)

gloxinaeflora, mixed colors	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" The Shirley, long spiked mixed colors	...	...	...	...	...	...	...	...	...	...	...	.20	2.25

DOLICHOS (Hyacinth Bean)

mixed colors	...	...	...	...	...	...	...	...	...	...	...	.10	.45
rose purple	...	...	...	...	...	...	...	...	...	...	...	.10	.50
white	...	...	...	...	...	...	...	...	...	...	...	.10	.50

EULALIA

japonica	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" gracillima, fine leaved sport	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00

EUPHORBIA

heterophylla (Fire-on-the-Mountain)	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" alba, white variegation instead of red	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
variegata, (Snow-on-the-Mountain)	...	...	...	...	...	...	...	...	...	...	...	.25	2.50
myrsinites	...	...	...	...	...	...	...	...	...	...	Per 1/4 oz \$.65	2.00	—

EXACUM

affine, an ornamental house plant, very fragrant	Per 1/8 oz \$ 6.50	Per 1/4 oz \$ 12.50	40.00
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FLOWERING KALE

Looks like between Kale and Cabbage. When seeds are sown in May to June, the foliages turns either colorful rose or pure white in fall. People here use them for winter decorations, both in pot and as cutflower. We can supply extra fine strain which always shows beautiful color. Inferior strains do not show up.

mixed colors, extra	...	...	...	...	...	...	...	...	...	...	...	.40	4.00
white on green, extra	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
red on green, extra	...	...	...	...	...	...	...	...	...	...	...	.50	5.00

GAILLARDIA (Blanket Flower)											Per oz	Per lb
picta, single mixed colors	...	...	...	...	...	...	...	...	...	...	.15	1.50
lorenziana, double mixed colors	...	...	...	...	...	...	...	...	...	...	.20	2.00
grandiflora. large-fl. mixed colors	...	...	...	...	...	...	...	...	...	...	.20	2.00
Burgundy, wine red	...	...	...	...	...	...	...	...	...	...	.30	3.00
Dazzler, yellow, maroon center	...	...	...	...	...	...	...	...	...	...	.30	3.00
Portola Hybrids, bronze red, yellow tipped	...	...	...	...	...	...	...	...	...	...	.25	2.50
Monarch Strain, varied colors with large flowers	...	...	...	...	...	...	...	...	...	...	.25	2.50

GENTIANA

axillariflora, large and rich blue flower on tall plants, 2 to 2 ½ feet. Flowers in July/August.	Per ⅛ oz \$ 1.75	Per ¼ oz \$ 3.25	10.00	—
scabra buergeri, very last flowering variety with bright blue large flowers. 1 ft. Flowers in October/November	Per ⅛ oz \$ 1.75	Per ¼ oz \$ 3.25	10.00	—

GLOBE AMARANTH (Gomphrena globosa)

finest mixed colors	...	...	...	...	...	...	...	...	...	...	.10	.50
alba, white	...	...	...	...	...	...	...	...	...	...	.10	.60
rose-pink	...	...	...	...	...	...	...	...	...	...	.10	.60
rubra	...	...	...	...	...	...	...	...	...	...	.10	.60
Buddy, dwarf and compact, amaranth red color	...	...	...	...	...	...	...	...	...	...	.50	5.00
Haageana, orange	...	...	...	...	...	...	...	...	...	...	.10	1.00

GOURD

Japanese Bottle, small-sized10	1.00
" " large-sized10	.70
luffa or Dishcloth10	.15

GYPSOPHILA

Oldhamiana25	2.50
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HELICHRYSUM (Straw Flower)

monstrosum, large-flowered double mixed15	1.50
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HOLLYHOCK (Althaea rosea)

Indian Spring20	2.00
" " semi-double mixed colors30	3.00
Double Triumph mixed colors	...	...	...	...	...	...	...	...	...	...	.50	5.00
Allegheny Mammoth mixed colors	...	...	...	...	...	...	...	...	...	...	.20	2.00
Chater's double finest mixed colors	...	...	...	...	...	...	...	...	...	...	.40	4.00
perennial double mixed colors35	3.50

HUMULUS

japonicus (Japanese Hop Vine)20	2.00
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IPOMOEA (Also see Morning Glory)

cardinalis (quamoclit hybrida), Cardinal Climber20	2.00
quamoclit (Cypress Vine), mixed colors	...	...	...	...	...	...	...	...	...	...	.15	1.50
" " " scarlet	...	...	...	...	...	...	...	...	...	...	.15	1.50
" " " white	...	...	...	...	...	...	...	...	...	...	.15	1.75

IRIS

															<i>Per oz</i>	<i>Per lb</i>
Kaempferi, Japanese Flag Iris, garden variety mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
japonica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
laevigata	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.75	7.50
sibirica orientalis mixed colors50	5.00

KUDZU VINE (*Pueraria thunbergiana*)

...15	1.75
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LILIUM

auratum, Golden Banded Lily70	7.00
auratum platyphyllum	1.00	10.00
cordifolium, milk white, tinged with green at base	1.00	10.00
giganteum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.00	20.00
henryi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00
japonicum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00
medeoloides, Wheel Lily	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
philippense formosanum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" " Pure White-flowering Strain	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
rubellum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00
rubrum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00
longiflorum White Queen	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.00	20.00
" Croft Lily	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2.00	20.00

LUPINUS

hirstus, large-seeded mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.10	.60
yellow, speckled seed	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.10	.50
perennial Russell mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.75
Hartwegii, mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.10	.60
" roseus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.10	.70
" blue	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.10	.70
" coelestinus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.10	.70

MARIGOLD (*Tagetes*)

African, tall double mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.60
" Giant Yellowstone	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
" Burpee's Gold Improved	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.75
" Giant Goldsmith	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
" Grown of Gold	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.75
" Dixie Sunshine	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.75
" gigantea Sunset Giants	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" Guinea Gold	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.75
" Victory	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.75
" Yellow Supreme	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.75
" Chrysanthemum-flowered, Golden Bedder	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" " " Limelight	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
" " " Pot of Gold	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
French, Dwarf Royal Scot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.80
" " Scarlet Glow	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.80

MARIGOLD (Tagetes) (Continued)											Per oz	Per lb
French, Dwarf Harmony, double extra dwarf strain											.15	1.80
Top flowering showy strain.												
"	Single Flash	...	...	...	...	...	...	...	...	...	.15	1.50
"	"	Naughty Marietta	...	...	...	...	...	...	...	...	.15	1.50

MIMOSA												
pudica (Sensitive Plant)											.15	1.60
MIRABILIS												
jalapa (Marvel of Peru or Four O’Clocks), finest mixed											.10	.70
MOONFLOWER, white seeded											.10	1.20

MORNING GLORIES

Scarlett O’Hara, Climbing (new) Our 1952 Novelty (See Page 9)											.50	5.00
major finest mixed colors											.10	.35
major star-flowered crimson											.10	1.00
Cornell											.20	2.00
Crimson Rambler											.10	1.25
Darling											.25	2.50
Scarlett O’Hara											.20	2.20
White O’Hara											.15	1.50
Scarlett O’Hara Mixed Colors, scarlet 60%, white 40%											.15	1.50
imperialis, Japanese Imperial Morning Glory, mixed colors											.10	.70
Japanese finest fringed mixed colors, extra selected											.20	2.50

MORNING GLORY JAPANESE IMPERIAL SUPER GIANT STRAINS

(See Page 9)

Sakata’s Super Giant, mixed colors, extra large-fl. selected strain											1.00	10.00
"	"	"	pink	...	...	...	...	...	...	...	1.50	15.00
"	"	"	crimson white margined	...	...	...	...	...	...	...	1.50	15.00
"	"	"	rose pink	...	...	...	...	...	...	...	1.50	15.00
"	"	"	amaranth-red	...	...	...	...	...	...	...	1.50	15.00
"	"	"	rich purple violet	...	...	...	...	...	...	...	1.50	15.00
"	"	"	sky blue	...	...	...	...	...	...	...	1.50	15.00
"	"	"	pure white	...	...	...	...	...	...	...	1.50	15.00

NIGELLA												
damascena double-fl, Miss Jekyll mixed colors											.10	.60

OENOTHERA (Evening Primrose)												
biennis, tall yellow sweet-scented											.10	.50
lamarackiana, large Yellow Evening Primrose											.10	.60

PAEONIA (Peony)												
mouten, Collected from garden varieties											2.00	20.00

PANSY

We plant Pansies for seed already in July and harvest them in May the following year. We, therefore, can ship the seed in June. Airplanes can deliver our seed to most parts of the U.S.A. within a week from the time parcels are delivered to the airway company. This should give you plenty of time for selling the seed to your florist customers.

										Per oz	Per lb
Super Swiss Giants Mixed Colors	...	...	...	...	...	...	...	...	...	9.00	90.00
An extra selected mixed colors just as good as original Swiss Giants. Well rounded very large flowers mostly with bold and distinct colors characteristic to this group. Highly recommended.											
Swiss Giants Mixed Colors	...	...	...	...	...	...	...	...	...	2.50	25.00
Closely following to Super Swiss Giants in size and in color. Probably unsurpassed in quality, excepting original Swiss Giants and our Super Swiss Giants Mixture.											
Swiss Giants Dwarf Mixed Colors	...	...	...	...	...	...	...	...	...	3.00	30.00
Only extra dwarf bushy plants. Plenty of red colors. Extra selected.											
Swiss Giants, Alpenglow, extra selected	...	...	...	...	...	...	...	...	...	4.00	40.00
" " Berna, extra selected	...	...	...	...	...	...	...	...	...	3.50	35.00
" " Ullswater, (Lake of Thun), extra selected	...	...	...	...	...	...	...	...	...	3.50	35.00
" " Coronation Gold, extra selected	...	...	...	...	...	...	...	...	...	3.50	35.00
" " Pure White	...	...	...	...	...	...	...	...	...	3.50	35.00
" " Raspberry Rose	...	...	...	...	...	...	...	...	...	4.00	40.00
" " Rheingold	...	...	...	...	...	...	...	...	...	4.00	40.00
" " Orange	...	...	...	...	...	...	...	...	...	3.50	35.00
" " Delft Blue	...	...	...	...	...	...	...	...	...	3.50	35.00
" " Firebeacon	...	...	...	...	...	...	...	...	...	3.50	35.00
Butterfly Hybrid	...	...	...	...	...	...	...	...	...	13.00	130.00
Just as good as the original Butterfly Hybrid. We have gone through lot of selections of our own. Very large flowered with characteristic beautiful color and fancy shapes.											
Winter-flowering Tall Mixed Colors (Sakata's Special Strain)	...	...	...	...	...	...	...	...	...	15.00	150.00
We worked out the old unshowy tall growing Winter Parsy with large-flowering Butterfly strains and were successful in breeding out tall type in fancy Butterfly size, color and shape. This should appeal to the florist trade much more than old type. We sent out many cut flowers of this breed to the Los Angeles International Flower Show last March. They are very tall growing with long flower stalks and mostly in the delicate colors as shown in the Butterfly group. The size of flower is very large, often measuring 3 inches across and mostly in fancy orchid shapes. Many visitors said they never saw Pansy in such attractive color and shape. Some took them for Orchids on their first glance.											
Winter-flowering Yellow,	...	...	...	...	...	...	...	...	...	15.00	150.00
Tall growing type with long flower stalk. Color like Coronation Gold, but a shade lighter. Very showy, attractive, with very large flower size like that of Coronation Gold.											
Mastodon, Jumbo, mixed colors	...	...	...	...	...	...	...	...	...	5.00	50.00
" " Bronze Tones	...	...	...	...	...	...	...	...	...	5.00	50.00
" " Pay Dirt	...	...	...	...	...	...	...	...	...	9.00	90.00
" " Beaconsfield	...	...	...	...	...	...	...	...	...	9.00	90.00
" " White Moon Moth	...	...	...	...	...	...	...	...	...	9.00	90.00
Trimardeau Mixed Colors	...	...	...	...	...	...	...	...	...	.50	5.00
large-flowering Peter Pan Mixed Colors	...	...	...	...	...	...	...	...	...	.50	5.00

BABY PANSY

Mrs. A. H. Scott	...	...	...	...	...	...	...	...	...	.70	7.00
Viola type with Lord Beaconsfield color, very compact and showy.											
Baby Delight, clear blue, extra early flowering	...	...	...	...	...	...	...	...	...	.70	7.00

BABY PANY (Continued)												Per oz	Per lb
Baby Delight Yellow	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
Our new introduction with yellow color, otherwise same as above.													
Baby Delight Apricot, new breed with apricot color	...	...	...	...	...	...	...	...	...	...	...	15.0	15.00

PETUNIA

Hybrida Tall Growing Varieties

In this group, we have listed the strains which height comes from 17 to 18 inches high under normal conditions.

Mixed Colors	...	...	...	...	...	...	...	...	...	...	...	.40	4.00
General Dodd, velvety-purple red, extra	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
Blue King, violet blue	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
White King, pure white	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
Topaz Rose, deep rose	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Howard Star, velvety crimson with white star	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Flaming Velvet, velvety scarlet crimson	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Sutton's Blue Bedder, violet blue with silver center	...	...	...	...	...	...	...	...	...	...	...	.60	6.00

Hybrida Semi-tall Growing Varieties

This group contains such varieties which grows from 13 to 16 inches under normal cultivation.

Mixed Colors, formula mixture of extensive bright colors	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
Peach Red, salmon rose, extra	...	...	...	...	...	...	...	...	...	...	...	.80	8.00
Hollywood Star, rose star shaped	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Cheerful, clear salmon-rose pink	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Blue Bird, velvety violet-blue	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Topaz Queen, scarlet rose, extra	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Celestial Rose Improved, deep rose, extra	...	...	...	...	...	...	...	...	...	...	...	.80	8.00
Rose Queen Improved, bright rose	...	...	...	...	...	...	...	...	...	...	...	.80	8.00
Rose of Heaven, brilliant rose, extra	...	...	...	...	...	...	...	...	...	...	...	.80	8.00
Rosy Morn Selected, rose, white center	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
White Perfection, pure white, extra	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Heavenly Blue, silver blue	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Glow, carmine scarlet	...	...	...	...	...	...	...	...	...	...	...	5.00	50.00
English Violet, violet-mauve, extra	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Cream Star, creamy-white	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
First Lady, salmon rose-pink	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
New Rosy Morn, light rose, white center	...	...	...	...	...	...	...	...	...	...	...	.80	8.00

Hybrida Nana Compacta

This group is the dwarfest of bedding Petunias. Height ranging from 10 to 12 inches under normal conditions.

Mixed Colors, formula mixture of extensive bright colors	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Fire Brand, (new) (See Page 6 )	...	...	...	...	...	...	...	...	...	...	...	3.50	35.00
Coral Red, (new) (See Page 6 )	...	...	...	...	...	...	...	...	...	...	...	2.50	25.00
Fire Chief	...	...	...	...	...	...	...	...	...	...	...	8.00	80.00
Bright Eye, extra	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
Snow Queen, pure white, extra	...	...	...	...	...	...	...	...	...	...	...	.80	8.00

<u>Petunia Hybrida Nana Compacta</u> (Continued)												Per oz	Per lb
Caprice, violet and white variegated	...	...	...	...	...	...	...	...	...	...	...	2.50	25.00
Blue Ball, true blue	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
Admiral, rich blue	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
Snow Mountain, extra	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
Igloo, white	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Northern Star, violet blue with white star, extra	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
Radiance, cerise-rose with golden throat	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Twinkles Reselected, bright rose starred white, extra	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Elk's Star, velvety crimson starred white	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
King Henry, velvety scarlet, extra	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00

<u>Hybrida Pendula or Balcony</u>													
Mixed Colors	...	...	...	...	...	...	...	...	...	...	...	.80	8.00
Rosy Morn, bright rose, white center	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Cornflower Blue	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Rose	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
White	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Red	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
Blue	...	...	...	...	...	...	...	...	...	...	...	1.20	12.00
<u>Grandiflora, Dwarf Fringed Large-fl. finest mixed colors</u>												15.00	150.00
<u>Dwarf Large-fl. Scarlet and White</u>	...	...	...	...	...	...	...	...	...	...	...	5.00	50.00

SAKATA'S F₁ HYBRID PETUNIAS

												Per 1/8 oz	Per 1/4 oz	Per oz
<u>Large-fl. Dwarf Single Fringed, F₁ Hybrid</u> (See Pages 5 to 6)														
Deep Rose	...	...	...	...	...	...	...	...	...	...	...	8.50	15.00	50.00
Carmine Rose	...	...	...	...	...	...	...	...	...	...	...	8.00	15.00	50.00
<u>Hybrida Nana Compacta, F₁ Hybrid</u> (See Pages 5 to 6)														
Pink Beauty	...	...	...	...	...	...	...	...	...	...	...	5.80	10.50	35.00
Brilliant Crimson	...	...	...	...	...	...	...	...	...	...	...	5.80	10.50	35.00
Pink Queen	...	...	...	...	...	...	...	...	...	...	...	5.80	10.50	35.00

PETUNIA SAKATA'S ALL DOUBLE STRAINS

Newly Developed Strains

(See Page 2)

										Per 1/32 oz	Per 1/16 oz	Per 1/8 oz	Per 1/4 oz	Per oz
<u>All Double Dwarf Colossal Strains</u>														
Mixed Colors	...	...	...	...	...	...	...	...	...	5.75	10.25	19.50	38.00	150.00
Pink Shade	...	...	...	...	...	...	...	...	...	9.25	17.50	33.50	65.00	250.00
Striped	...	...	...	...	...	...	...	...	...	9.25	17.50	33.50	65.00	250.00
Salmon	...	...	...	...	...	...	...	...	...	9.25	17.50	33.50	65.00	250.00

Victorious Strains

(See Pages 2 to 4)

All Double Giant Fringed Victorious							Per 1/32 oz	Per 1/16 oz	Per 1/8 oz	Per 1/4 oz	Per oz
Cream Yellow (New 1952)	...	...	...	...	...	...	10.75	21.25	41.50	80.00	300.00
Amaranth Red	...	...	...	...	...	...	9.25	17.50	33.50	65.00	250.00
Attraction	...	...	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Gaiety	...	...	...	...	...	...	14.15	27.45	53.25	103.00	400.00
Blue Brocade Improved	...	...	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Loveliness	...	...	...	...	...	...	6.25	10.75	23.25	44.50	175.00
Prima Donna	...	...	...	...	...	...	10.75	21.25	41.50	80.00	300.00
Pure White Improved	...	...	...	...	...	...	10.25	19.25	37.50	72.00	275.00
Rosy Carmine Improved	...	...	...	...	...	...	10.25	19.25	41.50	72.00	275.00
Silver Blue	...	...	...	...	...	...	9.25	17.50	33.50	65.00	250.00
Illumination	...	...	...	...	...	...	10.75	21.25	41.50	80.00	300.00
Victorious Mixed Colors	...	...	...	...	...	...	9.25	17.50	33.50	65.00	250.00
All Double Triumphant Giant Flowered Mixed							4.75	8.75	16.50	32.00	125.00

For Complete Price Schedule

(See Page 4)

PHLOX

										Per oz	Per lb
Tom Thumb mixed colors (See Page 10 )	...	...	...	...	...	...	...	...	...	4.00	40.00
drummondii cuspidata (Star Phlox) mixed colors	...	...	...	...	...	...	...	...	...	.40	4.00
grandiflora, finest mixed colors	...	...	...	...	...	...	...	...	...	.35	3.50
chamois rose	...	...	...	...	...	...	...	...	...	.40	4.00
cinnabar scarlet	...	...	...	...	...	...	...	...	...	.40	4.00
coccinea	...	...	...	...	...	...	...	...	...	.40	4.00
crimson starred white	...	...	...	...	...	...	...	...	...	.50	5.00
flesh rose eye	...	...	...	...	...	...	...	...	...	.40	4.00
Isabellina	...	...	...	...	...	...	...	...	...	.40	4.00
rosea	...	...	...	...	...	...	...	...	...	.40	4.00
stellata atropurpurea	...	...	...	...	...	...	...	...	...	.40	4.00
stellata splendens	...	...	...	...	...	...	...	...	...	.40	4.00
violacea	...	...	...	...	...	...	...	...	...	.40	4.00
violet blue	...	...	...	...	...	...	...	...	...	.40	4.00
white	...	...	...	...	...	...	...	...	...	.40	4.00
nana compacta, mixed colors	...	...	...	...	...	...	...	...	...	.70	7.00
atropurpurea	...	...	...	...	...	...	...	...	...	1.00	10.00
apricot yellow	...	...	...	...	...	...	...	...	...	1.00	10.00
coerulea	...	...	...	...	...	...	...	...	...	1.00	10.00
Fireball	...	...	...	...	...	...	...	...	...	1.00	10.00
Isabellina	...	...	...	...	...	...	...	...	...	1.00	10.00
mirabilis	...	...	...	...	...	...	...	...	...	1.00	10.00
white	...	...	...	...	...	...	...	...	...	1.00	10.00
gigantea mixed colors	...	...	...	...	...	...	...	...	...	.40	4.00
Art Shades	...	...	...	...	...	...	...	...	...	.45	4.50
Red Glory	...	...	...	...	...	...	...	...	...	.50	5.00
Salmon Glory	...	...	...	...	...	...	...	...	...	.50	5.00

PHYSALIS (Chinese Lantern Plant)

[illegible]

PLATYCODON

[illegible]

PORTULACA

[illegible]

PRIMULA (See Page 8)

FORMULA (See Page 8)											Per $\frac{1}{8}$ oz	Per $\frac{1}{4}$ oz	Per oz
malacoides, F ₁ Hybrid, Rose-Pink	...	...	...	...	...	...	...	...	...	...	16.00	31.00	100.00
" " " Crimson	...	...	...	...	...	...	...	...	...	...	16.00	31.00	100.00
" " " Salmon' Rose	...	...	...	...	...	...	...	...	...	...	16.00	31.00	100.00
" Brilliancy	...	...	...	...	...	...	...	...	...	...	3.25	6.00	20.00
" Dwarf Brilliancy, about same color to Brilliancy but larger flowered. Size of flower 1 inch across. Height 6 to 7 inches. Dwarf and compact. Very floriferous, throwing many flower stalks. Mid-season variety.	...	...	...	...	...	...	...	...	...	...	4.75	9.00	30.00
" Defiance	...	...	...	...	...	...	...	...	...	...	8.50	15.00	50.00
" Glory of Riverside	...	...	...	...	...	...	...	...	...	...	3.25	6.00	20.00
" New Giant	...	...	...	...	...	...	...	...	...	...	3.25	6.00	20.00
" New Giant Improved, large salmon rose flowers. Uniform grower.	...	...	...	...	...	...	...	...	...	...	3.25	6.00	20.00
" Ball's Lavender	...	...	...	...	...	...	...	...	...	...	3.25	6.00	20.00
" White Giant	...	...	...	...	...	...	...	...	...	...	3.25	6.00	20.00

RUDBECKIA

[illegible]

SALVIA

[illegible]

SCABIOSA													<i>Per oz</i>	<i>Per lb</i>
japonica, perennial	...	...	...	...	...	...	...	...	...	...	...	...	.15	1.50
SILENE														
armeria red	...	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
pendula rose	...	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
SOLANUM														
Love Apple (Intregifolium)	...	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
Craigii, dwarf ornamental pepper, green first then white and purplish finally red	...	...	...	...	...	...	...	...	...	...	...	...	1.00	12.00
STOKESIA														
cyanea, mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.40	4.00
" blue	...	...	...	...	...	...	...	...	...	...	...	...	.45	4.50
STRAWBERRY														
Baron Solemacher Red	...	...	...	...	...	...	...	...	...	...	...	...	1.50	15.00
SUNFLOWER (Helianthus)														
cucumerifolius	...	...	...	...	...	...	...	...	...	...	...	...	.10	.80
" stella	...	...	...	...	...	...	...	...	...	...	...	...	.10	.80
hybridus purpurea (Red Sunflower)	...	...	...	...	...	...	...	...	...	...	...	...	.10	.60
annual semi-tall Sungold, full double	...	...	...	...	...	...	...	...	...	...	...	...	.10	1.00
SWEET WILLIAM														
annual mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.20	2.00
choice single mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.10	10.00
TITHONIA														
Torch, (new)	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
TORENIA														
fournieri, mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.90	9.00
" blue	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
" white	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
TUNICA														
saxifraga	...	...	...	...	...	...	...	...	...	...	...	...	.30	3.00
VERBENA														
grandiflora Royal Bouquet mixed colors, erect growing	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
Giant-fl. bush type, Glowing Rose	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
" " " Starlight	...	...	...	...	...	...	...	...	...	...	...	...	1.00	10.00
hybrida grfl. (Gigantea) mixed colors	...	...	...	...	...	...	...	...	...	...	...	...	.35	3.50
" " " Annapolis Blue	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" " " Beauty of Oxford	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" " " Brightness, cerise scarlet white eye	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" " " coccinea, scarlet with eye	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00
" " " Floradale Beauty, pink and rose shades	...	...	...	...	...	...	...	...	...	...	...	...	.50	5.00

VERBENA (Continued)

												Per oz	Per lb
hybrida	grfl.	(Gigantea)	Giant Salmon Pink	...	...	...	...	...	...	...	...	.50	5.00
"	"	"	Lavender Glory	...	...	...	...	...	...	...	...	.50	5.00
"	"	"	Luminosa, flame pink	...	...	...	...	...	...	...	...	.60	6.00
"	"	"	Royal Blue	...	...	...	...	...	...	...	...	.50	5.00
"	"	"	Royale, royal blue cream eye	...	...	...	...	...	...	...	...	.50	5.00
"	"	"	Spectrum Red	...	...	...	...	...	...	...	...	.50	5.00
"	"	"	Spitfire	...	...	...	...	...	...	...	...	.70	7.00
Mammoth,	Salmon Queen	...	...	...	...	...	...	...	...	...	...	.50	5.00
"	Pink and Rose Shades mixed colors	...	...	...	...	...	...	...	...	...	...	.35	3.50

VINCA (Periwinkle)

rosea,	well balanced mixed colors	...	...	...	...	...	...	...	...	...	...	.40	4.00
"	rose	...	...	...	...	...	...	...	...	...	...	.45	4.50
"	alba oculata, crimson eye on white ground	...	...	...	...	...	...	...	...	...	...	.45	4.50
"	alba pura, pure white	...	...	...	...	...	...	...	...	...	...	.45	4.50
"	Delicata, soft pink with dark eye	...	...	...	...	...	...	...	...	...	...	.45	4.50

VIOLA CORNUTA (Tufted Pansy)

True Tufted Pansy mixed colors	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
large-fl. hybrid mixed colors	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
small-fl. mixed colors, (Johnny Jump Up type of Viola)	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Mixture of very small flowers only, mostly violet shades.													
Papilio, blue and white	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Blue Beauty	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
lutea splendens, best yellow	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Chantreyland, apricot	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Arkwright Ruby, ruby crimson	...	...	...	...	...	...	...	...	...	...	...	.75	7.50
Admiration, dark blue	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
White Perfection, pure white	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Blue Perfection, bright blue	...	...	...	...	...	...	...	...	...	...	...	.70	7.00
Blue Butterfly, mid-blue	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
King Henry, violet blue, yellow eye	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Blue Elf, deep violet blue	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Miss Helen Mount	...	...	...	...	...	...	...	...	...	...	...	.60	6.00
Rich violet purple upper petals, lavender lower petals.													

